

Claims

1. Trigger mechanism for at least two fluorescent tubes (6, 7) connected to a common transformer circuit (5), wherein the trigger mechanism (2) has at least: one control circuit (3) with at least two detection inputs (a₂, a₃) for detection of lamp currents (I₁, I₂) flowing through the fluorescent tubes (6, 7), wherein the detected lamp currents (I₁, I₂) can be set by the control circuit (3) in a day mode with higher current strengths and a night mode with lower current strengths, wherein the lamp currents (I₁, I₂) in the night mode can be detected jointly, and in the day mode they can be detected separately from each other.
2. Trigger mechanism according to Claim 1, characterized in that a switch (4) is provided between the two detection inputs (a₂, a₃), by which the two detection inputs (a₂, a₃) are joined in the night mode for joint evaluation of the lamp currents (I₁, I₂) by the two detection inputs and they are separated in the day mode for separate evaluation of each lamp current by one detection input.
3. Trigger mechanism according to Claim 1 or 2, characterized in that the controller (3), upon detecting a drop below a minimum current value, reduces a lamp current (I₁, I₂) and initiates a burst mode to produce an ignition.
4. Trigger mechanism according to one of the foregoing claims, characterized in that the control circuit (3) is integrated.

5. Driver circuit for at least two fluorescent tubes (6, 7), with a trigger circuit (2) according to one of the foregoing claims for connection to first connection contacts (8, 10) of the fluorescent tubes, two impedances, preferably capacitors (CL12, CL13), which can be connected to second connection contacts (9, 11) of the fluorescent tubes (6, 7) to form voltage divider circuits, and a transformer circuit (5), which is joined to the impedances via a common connection line (14).

6. Lamp circuit (1) with a driver circuit (2, 5, CL13, CL13) according to Claim 5 and two connected fluorescent tubes (6, 7).

7. Method for operating a lamp circuit according to Claim 6, in which in a day mode the lamp currents (I_1, I_2) flowing through the fluorescent tubes (6, 7) are detected and adjusted separately in the two detection inputs (a_2, a_3) and in a night mode the lamp currents (I_1, I_2) are detected and adjusted jointly with the two detection inputs (a_2, a_3) preferably connected.